

INTERNATIONAL SEARCH REPORT

International Application No
PCT/JP2004/012156

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07C269/06 C07D263/26 C07C271/64

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07C C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, BEILSTEIN Data, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WEI ZHUANG ET AL.: "Catalytic enantioselective addition of aromatic amines to enones: synthesis of optically active beta-amino acid derivatives" CHEMICAL COMMUNICATIONS, no. 12, 2001, pages 1240-1241, XP002317996 cited in the application abstract; tables 1,2	1-6
X	LUCA FADINI AND ANTONIO TOGNI: "Ni(II) Complexes containing chiral tridentate phosphines as new catalysts for the hydroamination of activated olefins" CHEMICAL COMMUNICATIONS, no. 1, 2003, pages 30-31, XP002317997 cited in the application abstract; figure 1	1-6

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *O* document referring to an oral disclosure, use, exhibition or other means
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- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

16 February 2005

Date of mailing of the international search report

01/03/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	KELIN LI ET AL.: "Air- and moisture-stable cationic (diphosphine)palladium(II) complexes as hydroamination catalysts: X-ray crystal structures of two '(diphosphine)Pd(NCMe)(OH ₂) ₂ +OTf ₂ -complexes" JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol. 665, 2003, pages 250-257, XP002317998 cited in the application table 2	1-6
X	----- KELIN LI AND KING KUOK (MIMI) HII: "Dicationic '(BINAP)Pd(solvent) ₂ +TfO- ₂ :enantioselective hydroamination catalyst for alkenoyl-N-oxazolidinones" CHEMICAL COMMUNICATIONS, no. 10, 2003, pages 1132-1133, XP002317999 abstract; figure 2; table 1	1-6
P,X	----- YOSHITAKA HAMASHIMA ET AL.: "Amine-salt-controlled, catalytic asymmetric conjugate addition of various amines and asymmetric protonation" ORGANIC LETTERS, vol. 6, no. 11, 27 May 2004 (2004-05-27), pages 1861-1864, XP002318000 abstract; figures 2,4; tables 1,2	1-6
X	----- SANTOS FUSTERO ET AL.: "New strategy for the stereoselective synthesis of fluorinated beta-amino acids" JOURNAL OF ORGANIC CHEMISTRY, vol. 67, 2002, pages 4667-4679, XP002318001 abstract; tables 3,4	6
X	----- MUKUND P. SIBI ET AL.: "Chiral lewis acid catalysis in conjugate additions of O-benzylhydroxylamine to unsaturated amides. Enantioselective synthesis of beta-amino acid precursors" J.AM.CHEM.SOC., vol. 120, no. 26, 1998, pages 6615-6616, XP002318002 figures 1,3; tables 1,3	1-3
X	----- US 6 080 857 A (SIBI ET AL) 27 June 2000 (2000-06-27) abstract; examples	1-3

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/JP2004/012156

Patent document cited in search report	Publication date	Patent family member(s)	Publication date	
US 6080857	A	27-06-2000	US 6191283 B1	20-02-2001